

Appl. No. : 10/019,753  
Filed : March 5, 2002

# AMENDMENTS TO THE CLAIMS

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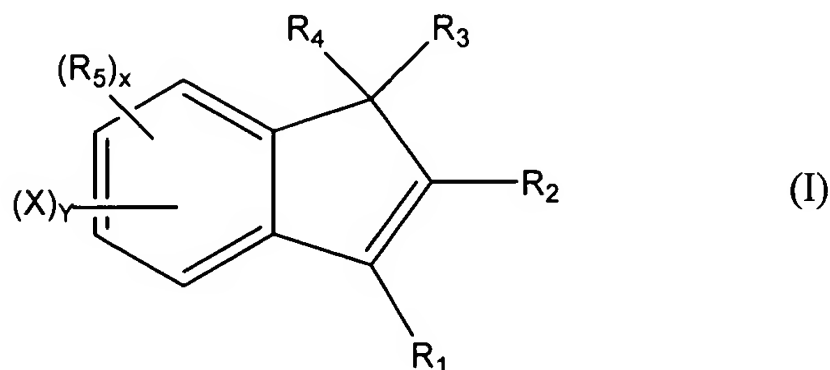
Claims 1-6. (Canceled)

Claim 7. (Currently amended) A resin composition (b) comprising the following polymers (F), (G), and (H):

(F) a polymer comprising monomer units which are one or more kinds of indene and indene derivatives represented by the following general formula (I);

(G) a polymer comprising monomer units which are styrene or styrene derivatives; and

(H) a graft polymer having a structure wherein the polymer (F) bonds to a side chain of a polymer comprising monomer units which are styrene or styrene derivatives, and a monomer unit copolymerizable with styrene or styrene derivatives selected from the group consisting of styrene, nucleus-substituted alkylstyrenes, nucleus-substituted aromatic styrenes,  $\alpha$ -substituted alkylstyrenes,  $\beta$ -substituted alkylstyrenes, nucleus-substituted alkoxy styrenes, alkyl vinyl ethers, aromatic vinyl ethers, isobutene, diisobutylene, and (meth)acrylic esters having 1 to 8 carbon atoms:



wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ , and  $R_5$  may be the same or different, and each represents a hydrogen atom; a monovalent hydrocarbon group containing a nitrogen atom, an oxygen atom or a silicon atom; an alkyl group having 1 to 6 carbon atoms; or a monovalent aromatic hydrocarbon group; X represents a hydrogen atom, a halogen atom, an acyl group, an alkoxy group or a nitrile group; x represents an integer of 0 to 3, and y represents an integer of 1 to 4, where  $x + y = 4$ .

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Claim 8. (Original) The resin composition (b) according to claim 7, wherein a diphenylsilicone (D) and/or phenolic antioxidant (E) are/is added to the resin composition comprising the polymers (F), (G) and (H).

Claim 9. (Previously presented) The resin composition (b) according to claim 7, wherein the saturated water absorption is 0.4% or less, and the birefringence in stretching the resin composition by 200% is in the range of  $-2 \times 10^{-6}$  to  $2 \times 10^{-6}$ .

Claim 10. (Previously presented) The resin composition (b) according to claim 7, wherein the weight-average molecular weight of the polymer (F) is 4000 or higher.

Claim 11. (Previously presented) The resin composition (b) according to claim 7, wherein the weight-average molecular weights of the polymer (G) and the polymer (H) are 50000 or higher.

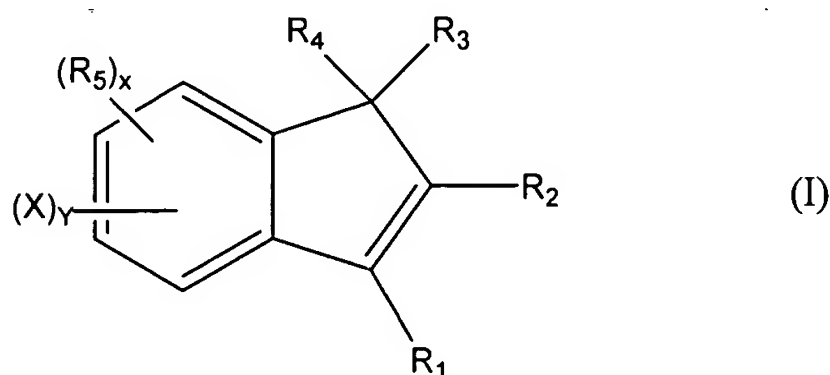
Claim 12. (Previously presented) The resin composition (b) according to claim 7, wherein the content of the polymer (F) is 30 to 90% by weight of the total of the resin composition (b).

Claim 13. (Currently amended) A resin composition (c) comprising the following polymers (I) and (J), diphenylsilicone (D), and a phenolic antioxidant (E):

(I) a polymer comprising monomer units which are one or more kinds of indene and indene derivatives represented by the following general formula (I), wherein the polymer has a heterocyclic structure selected from the group consisting of pyridine, imidazoline, pyrazine, pyrimidine, quinoline, indolizine, acridine, furan, thiophene, and oxazole, in a side chain thereof; and

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(J) a polymer comprising styrene or a styrene derivative, and a monomer copolymerizable with styrene or a styrene derivative, wherein the polymer has a carboxyl group and/or a phenolic hydroxyl group in a side chain thereof:



wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ , and  $R_5$  may be the same or different, and each represents a hydrogen atom; a monovalent hydrocarbon group containing a nitrogen atom, an oxygen atom or a silicon atom; an alkyl group having 1 to 6 carbon atoms; or a monovalent aromatic hydrocarbon group; X represents a hydrogen atom, a halogen atom, an acyl group, an alkoxy group or a nitrile group; x represents an integer of 0 to 4, and Y represents an integer of 1 to 4, where  $x + y = 4$ .

Claim 14. (Original) The resin composition (c) according to claim 13, wherein the saturated water absorption is 0.4% or less, and the birefringence in stretching the resin composition by 200% is in the range of  $-2 \times 10^{-6}$  to  $2 \times 10^{-6}$ .

Claim 15. (Previously presented) The resin composition (c) according to claim 13, wherein the content of the heterocyclic structure in the polymer (I) is 0.01 to 5 mol% of the total of the resin composition (c), and the content of the carboxyl group and/or the phenolic hydroxyl group in the polymer (J) are/is 0.01 to 5 mol% of the total of the resin composition (c).

Claim 16. (Previously presented) The resin composition (c) according to claim 13, wherein the molar ratio of the heterocyclic structure to the carboxyl group and/or the phenolic hydroxyl group is 0.1 to 10.0.

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Claim 17. (Previously presented) The resin composition (c) according to claim 13, wherein the content of the polymer (I) is 30 to 90% by weight of the total of the resin composition (c).

Claim 18. (Previously presented) The resin composition (c) according to claim 13, wherein the addition amount of the diphenylsilicone (D) is 0.01 to 1.0% by weight of the total of the resin composition (c), and the addition amount of the phenolic antioxidant (E) is 0.1 to 3.0% by weight of the total of the resin composition (c).

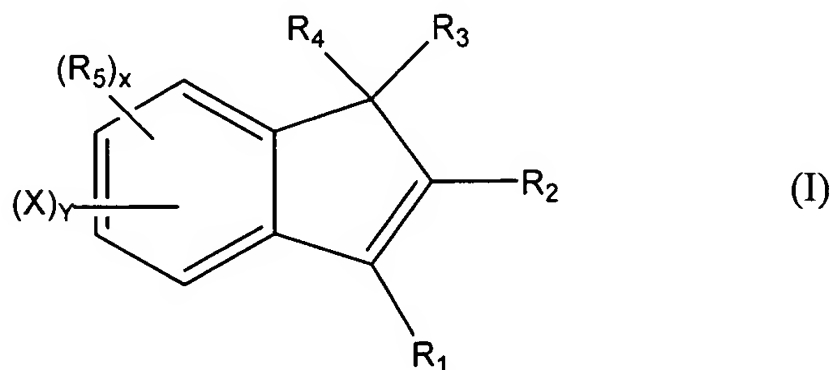
Claim 19-21. (Canceled)

Claim 22. (Currently amended) An optical part using a molding material being obtained by molding a resin composition (a) comprising the following polymers (A) and either or both of (B) and (C):

(A) a polymer comprising monomer units which are one or more kinds of indene and indene derivatives represented by the following general formula (I);

(B) a polymer consisting of monomer units which are styrene or styrene derivatives;

(C) a polymer comprising monomer units which are styrene or styrene derivatives, and a monomer unit copolymerizable with styrene or a styrene derivative selected from the group consisting of styrene, nucleus-substituted alkylstyrenes, nucleus-substituted aromatic styrenes,  $\alpha$ -substituted alkylstyrenes,  $\beta$ -substituted alkylstyrenes, nucleus-substituted alkoxy styrenes, alkyl vinyl ethers, aromatic vinyl ethers, isobutene, diisobutylene, and (meth)acrylic esters having 1 to 8 carbon atoms:



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wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ , and  $R_5$  may be the same or different, and each represents a hydrogen atom; a monovalent hydrocarbon group containing a nitrogen atom, an oxygen atom or a silicon atom; an alkyl group having 1 to 6 carbon atoms; or a monovalent aromatic hydrocarbon group; X represents a hydrogen atom, a halogen atom, an acyl group, an alkoxy group or a nitrile group; x represents an integer of 0 to 3, and y represents an integer of 1 to 4, wherein  $x + y = 4$ ,

wherein the saturated water absorption is 0.4% or less, and the birefringence in stretching the resin composition by 200% is in the range of  $-2 \times 10^{-6}$  to  $2 \times 10^{-6}$

Claim 23. (Previously presented) A molding material for use in optical parts, the molding material being obtained by molding a resin composition according to claim 7.

Claim 24. (Previously presented) A molding material for use in optical parts, the molding material being obtained by molding a resin composition according to claim 13.

Claim 25. (Previously presented) A sheet for use in optical parts, the sheet being obtained from a resin composition according to claim 7.

Claim 26. (Previously presented) A sheet for use in optical parts, the sheet being obtained from a resin composition according to claim 13.

Claim 27. (Previously presented) A film for use in optical parts, the film being obtained from a resin composition according to claim 7.

Claim 28. (Previously presented) A film for use in optical parts, the film being obtained from a resin composition according to claim 13.

Claim 29. (Previously presented) An optical part using a molding material, a sheet or the film being obtained by molding a resin composition according to claim 7.

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Claim 30. (Previously presented) An optical part using a molding material, a sheet or a film being obtained by molding a resin composition according to claim 13.